

## OTLEY URBAN DISTRICT COUNCIL

## ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1947.

Mr. Chairman and Gentlemen,

I beg to present my report for the year ended December 31st, 1947.

The report is prepared on the lines indicated by Circular 170/47 of the Ministry of Health.

STAFF.Medical Officer of Health.

Dr. H. Wolfe, M.D., B.S., D.P.H. acted as part-time Medical Officer of Health until June 30th, 1947. When Divisional Public Health administration was introduced and the Otley and Ilkley U.D.C.'s and the Wharfedale R.D.C. were formed into one Public Health Division, Dr. Wolfe resigned after 8½ years service.

At a meeting held at Otley on 12th November, 1946, the representatives of the Otley Urban District Council agreed to participate in a County Scheme of Divisional Health Administration applicable to the West Riding County Council area. It was proposed that Otley and Ilkley Urban Districts and Wharfedale Rural District should form Division No. 6 in the County Scheme. These proposals were approved at a meeting of the Otley Urban District Council on 2nd December, 1946. The new Division officially came into being on July 1st, 1947.

Dr. R.A.S. Proctor, M.A., M.B., B.Ch., D.P.H., D.T.M & H., was appointed Divisional Medical Officer and M.O.H. to the Otley U.D.C. and took up duty on July 31st.

Sanitary Inspectors.

T.E. Davies, M.S.I.A., acted as Chief Sanitary Inspector during the year.

H.R. Whitaker, M.S.I.A., was appointed Additional Sanitary Inspector on 1st October, 1947.

VITAL STATISTICS.

Registrar General's estimate of population - 11,160

|              | LIVE BIRTHS |         |       |                |
|--------------|-------------|---------|-------|----------------|
|              | Males       | Females | Total | Birth-Rate.    |
| Legitimate   | 123         | 101     | 224   | 20.07 per 1000 |
| Illegitimate | 8           | 7       | 15    | 1.35 " "       |
| Total        | 131         | 108     | 239   | 21.42 per 1000 |

|              | STILL BIRTHS |         |       |               |
|--------------|--------------|---------|-------|---------------|
|              | Males        | Females | Total | Rate per 1000 |
| Legitimate   | 4            | 3       | 7     | 0.63          |
| Illegitimate | -            | 1       | 1     | 0.09          |
| Total        | 4            | 4       | 8     | 0.72          |

# DEATHS OF INFANTS UNDER 1 YEAR OF AGE

|              | Males | Females | Total | Infants<br>Mortality Rate                                       |
|--------------|-------|---------|-------|-----------------------------------------------------------------|
| Legitimate   | 6     | 3       | 9     | 40.2 per 1000<br>legitimate live births                         |
| Illegitimate | 1     | -       | 1     | 66.6 per 1000 illeg-<br>-itimate live births.                   |
| Total        | 7     | 3       | 10    | 41.8 per 1000<br>legitimate and illeg-<br>-itimate live births. |

## DEATHS

| Males | Females | Total | Death-Rate.    |
|-------|---------|-------|----------------|
| 79    | 76      | 155   | 13.89 per 1000 |

## TABLE SHOWING AGE AT DEATH & SUBJOINED CAUSE.

### CAUSES

### OF

### DEATH.

|                                        | All Ages | Under 1 year | One year and<br>under 21 | 2 year and<br>under 5. | 5 year and<br>under 15. | 15 year and<br>under 25. | 25 years and<br>under 45. | 45 year and<br>under 65. | 65 year and<br>upwards. |
|----------------------------------------|----------|--------------|--------------------------|------------------------|-------------------------|--------------------------|---------------------------|--------------------------|-------------------------|
| Whooping Cough                         | 1        | 1            |                          |                        |                         |                          |                           |                          |                         |
| Pulmonary Tuberculosis                 | 4        |              |                          |                        |                         |                          |                           | 1                        | 3                       |
| Non-pulmonary<br>Tuberculosis          | 1        |              |                          |                        |                         | 1                        |                           |                          |                         |
| Syphilis                               | 2        |              |                          |                        |                         |                          |                           | 1                        | 1                       |
| Measles                                | 1        |              |                          | 1                      |                         |                          |                           |                          |                         |
| Cancer Buc. Cav.<br>and Oesophagus (M) |          |              |                          |                        |                         |                          |                           |                          |                         |
| Uterus (F)                             | 5        |              |                          |                        |                         |                          | 1                         | 2                        | 2                       |
| Cancer of Stomach<br>and Duodenum.     | 3        |              |                          |                        |                         |                          | 1                         |                          | 2                       |
| Cancer of Breast                       | 1        |              |                          |                        |                         |                          |                           |                          | 1                       |
| Cancer of Other Sites                  | 14       |              |                          |                        |                         |                          | 1                         | 6                        | 7                       |
| Intracranial<br>Vascular Lesions:      | 28       |              |                          |                        |                         | 1                        |                           | 4                        | 23                      |
| Heart Disease                          | 50       |              |                          |                        |                         |                          |                           | 8                        | 42                      |
| Other Circulatory<br>Diseases.         | 2        |              |                          |                        |                         |                          |                           | 1                        | 1                       |
| Bronchitis                             | 11       | 1            |                          |                        |                         |                          |                           | 2                        | 8                       |
| Pneumonia                              | 7        | 1            |                          |                        |                         |                          |                           | 1                        | 5                       |
| Other Respiratory<br>Diseases.         | 1        |              |                          |                        |                         |                          | 1                         |                          |                         |
| Ulcer of Stomach<br>and Duodenum.      | 1        |              |                          |                        |                         |                          | 1                         |                          |                         |
| Diarrhoea under 2.                     | 1        | 1            |                          |                        |                         |                          |                           |                          |                         |
| Other Digestive Dis.                   | 6        | 1            |                          |                        |                         |                          |                           | 3                        | 2                       |
| Nephritis                              | 3        |              |                          |                        |                         |                          |                           |                          | 3                       |
| Con. Malformations.                    |          |              |                          |                        |                         |                          |                           |                          |                         |
| Birth Inj. Inf. Dis.                   | 5        | 5            |                          |                        |                         |                          |                           |                          |                         |
| Suicide                                | 2        |              |                          |                        |                         |                          |                           | 1                        | 1                       |
| Other Violence                         | 2        |              |                          |                        |                         |                          | 1                         |                          | 1                       |
| All Other Causes                       | 4        |              |                          | 1                      |                         |                          |                           |                          | 3                       |
| ALL CAUSES                             | 155      | 10           |                          | 2                      |                         | 2                        | 6                         | 30                       | 105                     |

The Birth and Death rates show very little variation from those of 1946.

The Infant Mortality rate is approximately double that of 1946. Of the 10 deaths of infants under 1 year, five were due to preventable causes. It must, however, be remembered that, when dealing with small numbers, such rates are liable to considerable fluctuation as the result of only a few deaths. Two thirds of the total number of deaths occurred among persons of 65 and over.

INFECTIOUS DISEASES.

During 1947 the incidence of Scarlet Fever and Whooping Cough was low compared to 1946, whereas measles showed a large increase especially during the second quarter of the year.

Acute Poliomyelitis. - In the early summer of 1947 it became obvious that the incidence of poliomyelitis in the United Kingdom and in the West Riding of Yorkshire was likely to reach epidemic proportions. The first case in Otley, however, did not occur until August 20th, 1947, and the last case in the year was reported on 24th November, 1947. During this period of approximately three months, 13 cases of suspected poliomyelitis were admitted to the Wharfedale Joint Isolation Hospital and in only four cases was the diagnosis confirmed.

Confirmed Cases.

|           |                       |                       |
|-----------|-----------------------|-----------------------|
| 2. 8.47.  | Female aged 4 years.  | Cured - no paralysis. |
| 4. 8.47.  | Male aged 13 years.   | Cured - no paralysis. |
| 15. 9.47. | Female aged 27 years. | Cured - no paralysis. |
| 24.11.47. | Female aged 6½ years. | Cured - no paralysis. |

Diphtheria. - Sixteen cases of suspected diphtheria were admitted to the Wharfedale Joint Isolation Hospital, Menston. In all cases the laboratory reports were negative.

Tuberculosis. - In the past the Otley Urban District Council has been responsible only for the keeping of Tuberculosis records. The responsibility for medical treatment, the investigation of contacts, the allowances scheme and after-care has been undertaken by the West Riding County Council. On October 1st, the Divisional Health Office took over the keeping of the Tuberculosis Register, so that the Urban District Council ceased to have any responsibility in relation to Tuberculosis except for the housing and hygiene of cases of Tuberculosis living at home.

TUBERCULOSIS - NEW CASES & MORTALITY DURING 1947.

| Age Periods | New Cases   |    |                 |    | Deaths      |    |                 |    |
|-------------|-------------|----|-----------------|----|-------------|----|-----------------|----|
|             | Respiratory |    | Non-Respiratory |    | Respiratory |    | Non-Respiratory |    |
|             | M.          | F. | M.              | F. | M.          | F. | M.              | F. |
| Under 5.    | -           | -  | 1               | -  | -           | -  | -               | -  |
| 5-15 yrs.   | -           | -  | -               | -  | -           | -  | -               | -  |
| 15-25 "     | 1           | 3  | 1               | -  | -           | -  | -               | -  |
| 25-35 "     | 1           | 1  | -               | -  | -           | -  | -               | -  |
| 35-45 "     | -           | 2  | -               | -  | -           | -  | -               | -  |
| 45-55 "     | 2           | -  | -               | -  | 1           | -  | -               | -  |
| 55 & over   | 1           | -  | -               | 1  | 1           | 2  | -               | -  |
| Total       | 5           | 6  | 2               | 1  | 2           | 2  | -               | 1  |

# NOTIFIABLE DISEASES.

| Disease          | Under 1 year |    | 1 - 3 |    | 3 - 5 |    | 5 - 10 |    | 10 - 15 |    | 15 - 25 |    | 25 and over |    | Total | Moved into Hospital | Died. |
|------------------|--------------|----|-------|----|-------|----|--------|----|---------|----|---------|----|-------------|----|-------|---------------------|-------|
|                  | M.           | F. | M.    | F. | M.    | F. | M.     | F. | M.      | F. | M.      | F. | M.          | F. |       |                     |       |
| Gastro Enteritis | 2            | 2  | -     | -  | -     | -  | -      | -  | -       | -  | -       | -  | -           | -  | 4     | 4                   | 1     |
| Scabies          | -            | -  | 1     | -  | -     | 1  | -      | -  | -       | -  | 1       | 2  | 1           | 1  | 6     | -                   | -     |
| Whooping Cough   | 1            | -  | 3     | 6  | -     | -  | 3      | 4  | -       | -  | -       | -  | -           | -  | 17    | 4                   | 1     |
| Measles          | 4            | 2  | 22    | 16 | 24    | 21 | 11     | 23 | -       | 3  | 1       | 3  | -           | 1  | 131   | 19                  | 1     |
| Scarlet Fever    | -            | 1  | 1     | 2  | 1     | 2  | 1      | 4  | 1       | 1  | 2       | -  | -           | -  | 17    | 17                  | -     |
| Erysipelas       | -            | -  | -     | -  | -     | -  | -      | -  | -       | -  | 1       | 1  | 1           | 5  | 7     | 6                   | -     |
| Polionmyelitis   | -            | -  | -     | -  | -     | 1  | -      | 1  | 1       | -  | -       | -  | -           | 1  | 4     | 4                   | -     |
| Menigitis        | 1            | -  | -     | -  | -     | -  | -      | -  | -       | -  | -       | -  | -           | -  | 1     | 1                   | -     |
| Pneumonia        | 4            | 3  | 1     | 4  | 1     | 1  | -      | -  | -       | -  | 1       | 17 | 8           | -  | 40    | 22                  | 7     |
| Dysentery        | -            | -  | -     | -  | -     | -  | -      | -  | -       | -  | 1       | -  | 1           | -  | 2     | 2                   | -     |

Observation Cases. - 25 cases were notified as being suspected infectious disease (16 Diphtheria and 9 Polionmyelitis), and proved on observation to be negative.

Venereal Disease. - The medical treatment, prevention and social work in connection with these diseases are the responsibility of the West Riding County Council.

Diphtheria Immunisation. - The scheme for the free immunisation of children against Diphtheria has been administered by the West Riding County Council. This has now been taken over by the Divisional Health Office. A high proportion of children in the District has been immunised, and in the last quarter of the year immunisation and re-immunisation have been carried out at the infant schools. No confirmed case of Diphtheria occurred in the District during the year. The following are the numbers of children immunised during the year:-

Immunised - 235.

Re-immunised - 90.

#### OTLEY SHOWGROUND HUTMENTS.

In co-operation with the Sanitary Inspector, an inspection of the sanitary conditions at Otley Showground was carried out and revealed a most unsatisfactory state of affairs. A report was submitted to the Otley Urban District Council and considered at their meeting on September 1st, 1947. The Surveyor was asked to submit a report and estimate of cost of the work needed to satisfy minimum sanitary requirements. The matter was referred to the Ministry of Health for sanction to incur the necessary expenditure and was discussed at a meeting between Ministry of Health Officers, the Town Clerk, Surveyor and Medical Officer of Health on December 19th, 1947. At the meeting it was indicated that sanction would be granted if the Otley Urban District Council would take over the hutments as temporary housing for a period of 5 years.

In spite of a hot summer and the very unsatisfactory sanitary conditions, no outbreak of infectious disease occurred.

#### WATER.

Otley derives 92% of its water supplies from the Moors feeding the reservoir at March Ghyll; the remaining 8% is obtained from Gooseland spring and borehole at Monston. The borehole which provides a very hard water is only brought into use as a supplementary supply in the summer. The village of Middleton in the Wharfedale Rural District is supplied from March Ghyll. A small rural type supply for four houses on the Chevin is derived from a spring at Danefield.

1. During the year, in spite of a long drought in the summer, the water supply for the whole area was satisfactory in quality and quantity. In fact it was possible to spare over 5 million gallons to help the Ilkley Urban District.

11. Regular bacteriological and chemical testing of the raw water at the sources, and of the treated water from various points of supply is carried out. Four tests of raw water at March Ghyll gave satisfactory chemical results, but unsatisfactory bacteriological findings. Seven bacteriological and seven chemical examinations were made of water from the supply pipes, and all were satisfactory. Samples of water from the Danefield spring were tested on two occasions and were found to satisfy the requirements of a rural water supply.

111. The water at March Ghyll is acid and liable to have plumbo-solvent action. The water is treated with Alumino Ferric and Sodium Carbonate to reduce its acidity, and daily readings of P.H. value are taken. Some anxiety was caused by a threatened shortage of Sodium Carbonate, but the supply position was rectified before any real difficulty arose. Quarterly samples are submitted to be tested for contamination by lead. These were omitted during the first part of the year owing to difficult weather conditions.

Two tests were carried out and both gave a satisfactory result.

IV. No action has been necessary as a result of contamination.

V. All houses in the Otley Urban District have a direct water supply, except the hutments on the Showground and some houses on the Chevin where the supply is from private springs.

#### DRAINAGE AND SEWERAGE.

Arrangements for sewage disposal have worked satisfactorily. Minor flooding of sewers has occurred in Farnley Lane and Bridge Street. At the sewage disposal works sedimentation is assisted by the addition of Alum. A Lea Flowmeter Recorder has been installed and daily carts of the volume of sewage entering the works are now available. Records to date reveal a very wide fluctuation in the daily volume of sewage.

#### FACTORIES ACT, 1937.

More routine inspections of factories were possible during 1947. The following table shows the work carried out:-

Factories Act, 1937.

| Premises<br>(1)                     | Number of           |                           |                                 |
|-------------------------------------|---------------------|---------------------------|---------------------------------|
|                                     | Inspections.<br>(2) | Written<br>Notices<br>(3) | Occupiers<br>prosecuted.<br>(4) |
| Factories with mechanical power.    | 5                   | 2                         | -                               |
| Factories without mechanical power. | 24                  | 20                        | -                               |
|                                     | 29                  | 22                        | -                               |

#### Defects found

| Particulars.                   | Number of Defects. |                |                              |                              | Number of defects in respect of which prosecutions were inst. |
|--------------------------------|--------------------|----------------|------------------------------|------------------------------|---------------------------------------------------------------|
|                                | Found              | Remo-<br>-died | Referred<br>to H.M.<br>Insp. | Referred<br>by H.M.<br>Insp. |                                                               |
| Want of cleanliness            | -                  | -              | -                            | -                            | -                                                             |
| Overcrowding                   | -                  | -              | -                            | -                            | -                                                             |
| Unreasonable temp.             | -                  | -              | -                            | -                            | -                                                             |
| Inadequate Ventilation         | -                  | -              | -                            | -                            | -                                                             |
| Ineffective drainage of floors | -                  | -              | -                            | -                            | -                                                             |
| Sanitary conveniences:-        |                    |                |                              |                              |                                                               |
| Insufficient                   | -                  | -              | -                            | -                            | -                                                             |
| Unsuitable                     | 9                  | 6              | 1                            | 4                            | -                                                             |
| Not separate for sexes         | -                  | -              | -                            | -                            | -                                                             |
| Other offences                 | 13                 | 13             | -                            | -                            | -                                                             |
| Total                          | 22                 | 19             | 1                            | 4                            | -                                                             |

## OUTWORKERS.

49 persons were engaged on outwork in the production of boxes or other receptacles or parts thereof, made wholly or partially from paper.

## HOUSING.

### Lee Croft Bungalows for the Aged.

The 12 houses completed at the end of 1946 were all occupied by the end of January, 1947.

### KINEHOLME ESTATE.

56 houses were started in the Spring, but none had been completed by the end of 1947.

### WESTON LANE.

The 50 Aluminium houses provided for in this scheme were all erected by early December, 1947, but none had been occupied by the end of the year. No progress has been made with the erection of the 72 permanent-type houses due to the ban on new building imposed owing to shortage of labour and materials, and the Government's decision to concentrate resources on housing in mining and agricultural areas. The position will be reviewed in the middle of 1948, and, if the situation has improved, it may be possible to push on with the scheme in the second half of 1948.

### WEST BUSK LANE.

On behalf of the Otley Urban District Council, Messrs. Harrison have contracted to build 26 permanent-type houses. Of these, 14 had been commenced by the end of the year, but the remaining 12 houses will be started in 1948.

## PRIVATE BUILDING.

Messrs. T. Smith & Sons (Otley) Ltd. - The four traditional-type houses which were incomplete at the end of 1946 were finished in 1947.

## CONVERSIONS.

By Otley Urban District Council:

|                    |          |
|--------------------|----------|
| Chevin Lodge ..... | 2 units. |
| Nowall Ridge ..... | 3 units. |

By private owners:

|                   |          |
|-------------------|----------|
| Manby House ..... | 3 units. |
| Woodlands .....   | 2 units. |

## CONCLUSION.

In conclusion I should like to record my appreciation of the help given me in taking up my new duties by Mr. T.E. Davies, Senior Sanitary Inspector, who is retiring after 32 years' service. I am also indebted to the Chairman and Members of the Health Committee, and to the Clerk and Surveyor for their assistance and co-operation.

R.A.W. PROCTER.

Medical Officer of Health.

